

REMARKS

The Examiner's analysis and the references cited in the Office action have been carefully considered. Claims 1-79, and 82 were pending. The Examiner indicated that Claim 82 has been allowed. Claims 1-16, 18-20, 23-27, 39-55, 57-59, 62-76 and 78-81 were rejected. Claims 17, 21, 22, 38, 56, 60, 61 and 77 were objected to, but the Examiner indicated that they would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Rejections under 35 U.S.C. § 103 (a)

Claims 1, 3-5, 8-9, 15, 18-19, 24-26, 29-30, 32, 39-40, 42-44, 47-48, 57-58, 63-65, 68-69, 71, 75 and 78 were rejected under 35 U.S.C. § 103 (a) as being unpatentable over Kazama et al. ("Kazama," US 5,835,220) in view of Knittel et al. ("Knittel," US 6,342,885) and Wells et al. (US 5, 253,339). Kazama is directed toward a method of capturing data representing the images of actual objects. In contrast, the present invention is directed to the rendering of computer generated images such as those used in computer gaming. Knittel is directed to volume rendering. In doing so, the properties of each pixel are dependent, *inter alia*, on the gradient (magnitude and direction) of the surface normal at each pixel (see, for example, Knittel, col 4, lines 42-44). In contrast, the present invention is directed to a polygon rendering system whereupon values are derived from a texture map are mapped onto the polygon surface.

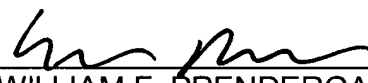
While Wells teaches the modulation of color, it fails to teach the application of selective reflectivity.

By the amendments to the claims the Applicant clarifies that the present invention is directed to, as recited in Claim 1, "... creating a computer generated image having at least one polygon surface represented by a plurality of pixels..." None of the prior art alone or in combination suggests this method of rendering computer generated images, nor would the claimed approach be obvious to one skilled in the art. Further, it is respectfully submitted that the cited references, at best, teach pieces of the claimed invention which could only be combined with the improper use of hindsight. Therefore, it is respectfully requested that the rejection of the pending claims be withdrawn.

CONCLUSION

It is respectfully submitted that the above-identified application is now in condition for allowance. Please feel free to contact the undersigned should any remaining questions need to be resolved.

Respectfully submitted,



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